

bs-0295G-BF647**[Secondary Antibodies]****Bioss**
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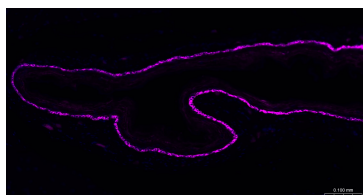
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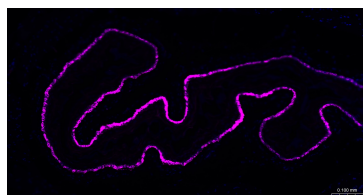
400-901-9800

Goat anti-Rabbit IgG (H&L) pAb, BF647 conj.**— DATASHEET —**

Host: Goat	Isotype: IgG	Applications: IF (1:200-1000) Flow-Cyt (1:50-200) ICC/IF (1:100-1000)
Clonality: Polyclonal		Excitation Spectrum: 647nm Emission spectrum: 666nm
Target: Goat anti-Rabbit IgG (H&L) pAb		Reactivity: Rabbit
Purification: affinity purified by Protein G, nonspecific adsorbed		
Concentration: 2.0 mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C. Avoid repeated freeze/thaw cycles.		
Background: Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Rat Esophagus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytokeratin 14 Monoclonal Antibody, Unconjugated (bsm-52054R) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Rose Red, bs-0295G-BF647), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Mouse Esophagus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cytokeratin 14 Monoclonal Antibody, Unconjugated (bsm-52054R) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Rose Red, bs-0295G-BF647), DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=26.8]** Li Nan. et al. Potent prophylactic cancer vaccines harnessing surface antigens shared by tumour cells and induced pluripotent stem cells. NAT BIOMED ENG. 2024 Dec;;1-19 IF ;Mouse. 39730914
- **[IF=26.6]** Jiang Wei. et al. Enhanced nanoparticle delivery across vascular basement membranes of tumours using nitric oxide. NAT BIOMED ENG. 2025 May;;1-16 IF ;Rabbit. 40316687
- **[IF=15.4]** Chen Yingchun. et al. HERP constrains white adipose expansion and inflammation by STEAP4 stabilization. CELL DEATH DIFFER. 2025 Nov;;1-17 IF ;Mouse. 41249464
- **[IF=12.9]** Yu Xichao. et al. Extracellular vesicle-mediated delivery of circp53 suppresses the progression of multiple cancers by activating the CypD/TRAP/HSP90 pathway. EXP MOL MED. 2025 Aug;;1-16 IF ;Mouse,Human. 40744997
- **[IF=12.4]** Tao Xu. et al. Targeted sonogenetic modulation of GABAergic interneurons in the hippocampal CA1 region in

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status epilepticus. THERANOSTICS. 2024 Oct;14(16):6373 IF ;Mouse. 39431014